

Figure 1
PRIOR ART

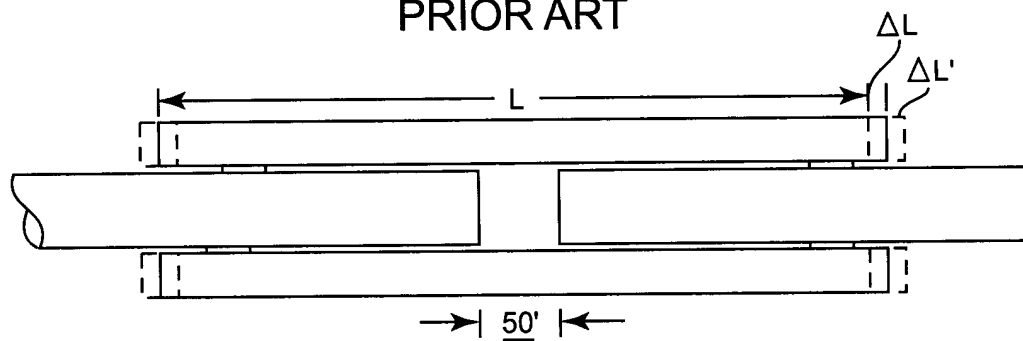


Figure 2A

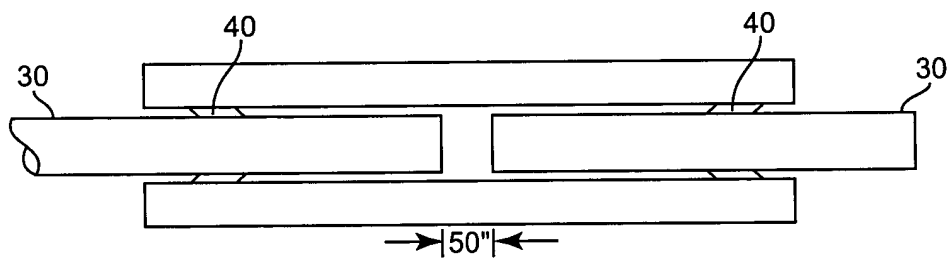


Figure 2B

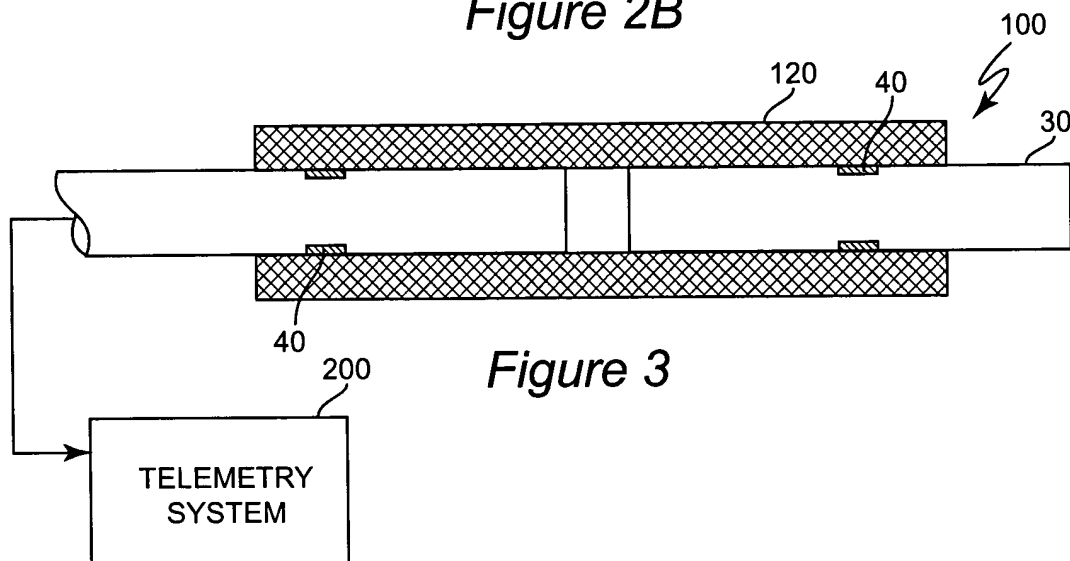
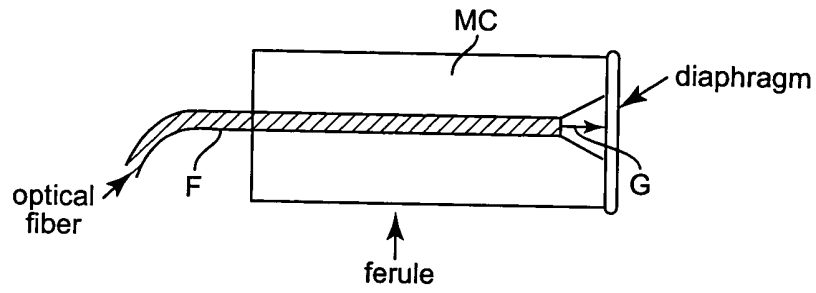
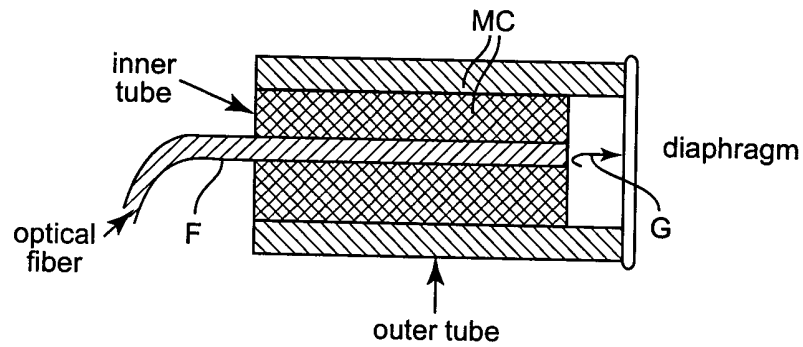


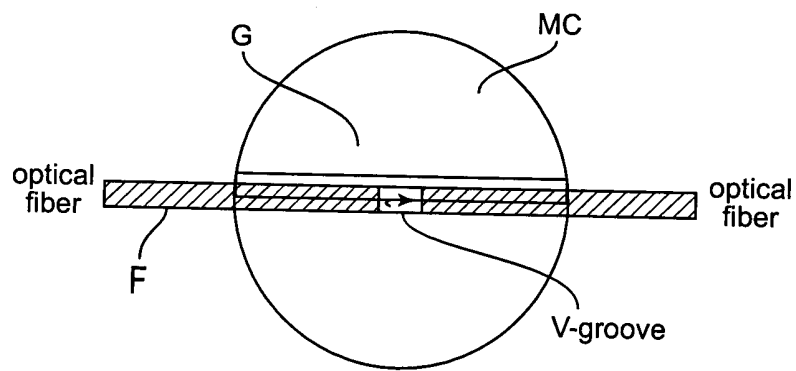
Figure 3



Tube based diaphragm sensor

Figure 4

Tube in tube based diaphragm sensor

Figure 5

optical fiber V-groove sensor

Figure 6